

CENTRAL NEVADA DESERT BASINS, NORTHERN BIG SMOKY VALLEY

10249300 SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NV

LOCATION.--Lat 38°53'15", long 117°14'40" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 22, T.12 N., R.42 E., Nye County, Hydrologic Unit 16060004, in Toiyabe National Forest, on right bank, 600 ft upstream from diversion, 3 mi west of State Highway 376, and 15 mi northwest of Round Mountain.

DRAINAGE AREA.--20 mi², approximately.

PERIOD OF RECORD.--1964 (miscellaneous site), 1965 (low-flow, partial-record site), August 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft³/s, May 29, 1983, gage height, 4.39 ft; minimum daily, 0.35 ft³/s, August 27, 1991.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 10	0900	*12	*2.07				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.7	1.5	1.5	e1.4	1.6	4.4	7.4	7.1	3.3	1.5	0.65
2	1.1	1.7	1.6	1.6	e1.4	1.6	4.4	7.5	7.1	3.1	1.5	0.63
3	1.1	1.7	1.6	1.7	e1.4	1.6	5.3	7.9	7.1	3.0	1.4	0.67
4	1.1	1.7	1.5	e1.6	e1.4	1.7	6.5	8.8	7.1	2.8	1.3	0.66
5	1.1	1.7	1.5	e1.6	e1.4	1.7	7.0	9.5	7.1	2.6	1.2	0.63
6	1.0	1.7	1.5	e1.5	e1.5	1.7	6.8	10	6.8	2.5	1.1	0.61
7	1.0	1.7	1.6	1.5	e1.5	1.8	6.7	10	6.6	2.3	1.1	0.59
8	1.00	1.7	1.6	1.5	e1.5	1.8	6.8	11	6.7	2.2	1.0	0.58
9	0.98	1.8	1.7	1.5	e1.5	2.4	6.8	11	6.9	2.2	0.94	0.57
10	1.1	1.8	1.6	1.5	e1.5	3.6	6.6	11	7.5	2.0	0.90	0.58
11	1.1	1.8	1.6	1.5	e1.5	3.7	6.2	11	6.9	1.8	0.83	0.58
12	1.1	1.8	1.6	1.5	e1.5	3.7	5.9	11	6.5	1.8	0.78	0.59
13	1.0	1.9	1.6	1.5	1.5	3.5	5.7	10	6.1	1.6	0.77	0.61
14	1.1	1.8	1.6	1.5	1.5	3.5	5.5	10	5.8	1.4	0.78	0.65
15	1.1	1.8	e1.6	1.6	1.5	3.6	5.3	9.8	5.5	1.4	0.96	0.64
16	1.2	1.8	e1.5	1.6	1.5	3.8	5.1	9.5	5.4	1.8	1.1	0.64
17	1.2	1.9	1.5	1.6	1.5	3.8	5.5	9.3	5.4	4.2	1.2	0.64
18	1.2	1.8	1.4	1.6	1.5	3.9	5.9	9.2	5.4	6.4	1.2	0.70
19	1.2	1.8	1.4	1.6	1.5	4.0	6.5	9.2	5.1	4.6	1.1	0.88
20	1.2	1.8	1.4	1.6	1.5	4.2	6.6	9.4	4.9	3.8	1.1	0.95
21	1.3	1.8	1.4	1.6	1.4	4.5	6.7	9.5	4.7	3.3	1.1	0.97
22	1.3	1.9	1.4	1.6	1.5	5.0	6.5	9.0	4.7	2.9	1.0	1.0
23	1.3	e1.7	1.5	1.5	1.5	5.2	6.1	8.7	4.3	2.6	1.0	1.1
24	1.3	1.7	1.5	1.6	1.5	5.2	5.9	8.6	4.0	2.4	0.98	1.1
25	1.3	1.6	1.5	1.3	1.5	5.1	5.8	8.3	3.8	2.2	0.92	1.2
26	1.3	1.6	1.7	e1.3	1.6	4.9	5.9	8.0	3.7	2.0	0.92	1.3
27	1.3	1.6	e1.7	1.2	1.6	4.6	6.5	7.7	3.5	2.0	0.89	1.3
28	1.2	1.6	e1.7	e1.3	1.6	4.3	7.3	8.2	3.5	2.0	0.83	1.4
29	1.3	1.6	1.8	e1.3	1.6	4.0	7.8	7.9	3.5	1.8	0.81	1.8
30	1.5	1.6	1.5	e1.3	---	3.9	7.6	7.5	3.4	1.6	0.76	1.9
31	1.6	---	1.5	e1.3	---	3.8	---	7.2	---	1.5	0.72	---
TOTAL	36.68	52.1	48.1	46.4	43.3	107.7	185.6	283.1	166.1	79.1	31.69	26.12
MEAN	1.18	1.74	1.55	1.50	1.49	3.47	6.19	9.13	5.54	2.55	1.02	0.87
MAX	1.6	1.9	1.8	1.7	1.6	5.2	7.8	11	7.5	6.4	1.5	1.9
MIN	0.98	1.6	1.4	1.2	1.4	1.6	4.4	7.2	3.4	1.4	0.72	0.57
AC-FT	73	103	95	92	86	214	368	562	329	157	63	52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	2.39	2.58	2.39	2.33	2.66	4.91	9.29	24.4	18.3	6.00	2.78	2.15
MAX	5.37	5.58	5.80	6.25	7.15	17.3	26.5	92.0	80.1	31.8	11.1	6.24
(WY)	(1984)	(1984)	(1984)	(1984)	(2001)	(2001)	(2001)	(1983)	(1998)	(1998)	(1983)	(1983)
MIN	1.18	1.37	1.06	0.92	1.08	1.74	2.93	4.03	4.17	1.37	0.80	0.51
(WY)	(2004)	(1991)	(1991)	(1991)	(1994)	(1991)	(2003)	(1990)	(1990)	(1966)	(2003)	(1987)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	1,082.56		1,105.99			
ANNUAL MEAN	2.97		3.02		6.70	
HIGHEST ANNUAL MEAN					20.1	1983
LOWEST ANNUAL MEAN					2.40	1990
HIGHEST DAILY MEAN	24	May 29	11	May 8	338	May 29, 1983
LOWEST DAILY MEAN	0.37	Aug 25	0.57	Sep 9	0.35	Aug 27, 1991
ANNUAL SEVEN-DAY MINIMUM	0.39	Aug 19	0.59	Sep 6	0.39	Aug 19, 2003
MAXIMUM PEAK FLOW			12	May 10	510	May 29, 1983
MAXIMUM PEAK STAGE			2.07	May 10	4.39	May 29, 1983
ANNUAL RUNOFF (AC-FT)	2,150		2,190		4,850	
10 PERCENT EXCEEDS	6.3		7.1		15	
50 PERCENT EXCEEDS	1.6		1.6		2.8	
90 PERCENT EXCEEDS	0.89		0.98		1.4	

e Estimated